

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
 Data File : VL040471.D
 Acq On : 15 Jun 2023 17:34
 Operator : SY/MD
 Sample : 03250-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-02DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2023
 Supervised By :Mahesh Dadoda 06/16/2023

Quant Time: Jun 16 05:38:30 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Tue Jun 06 06:22:12 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.198	49	1169566	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	3107579	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	2767005	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.796	95	2154568	9.434	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.726	85	33153	0.130	ppbv #	81
9) Propene	2.694	41	375600	6.358	ppbv	95
13) Ethanol	3.256	45	16936m	1.384	ppbv	
15) Acetone	3.472	43	415458	2.945	ppbv #	30
17) tert-Butyl alcohol	3.890	59	143917	1.241	ppbv	96
20) Methylene Chloride	3.941	84	74612m	1.239	ppbv	
26) Hexane	5.221	57	117557	0.971	ppbv #	41
34) 2-Butanone	4.796	43	935369	6.242	ppbv	97
36) Benzene	6.382	78	33383	0.135	ppbv #	86
51) 2-Hexanone	9.578	43	151253m	1.086	ppbv	
52) Tetrachloroethene	10.635	164	9261m	0.119	ppbv	
53) Toluene	9.234	91	39001	0.150	ppbv	98
74) 1,2,4-Trimethylbenzene	16.124	105	50342	0.147	ppbv #	63

(#) = qualifier out of range (m) = manual integration (+) = signals summed

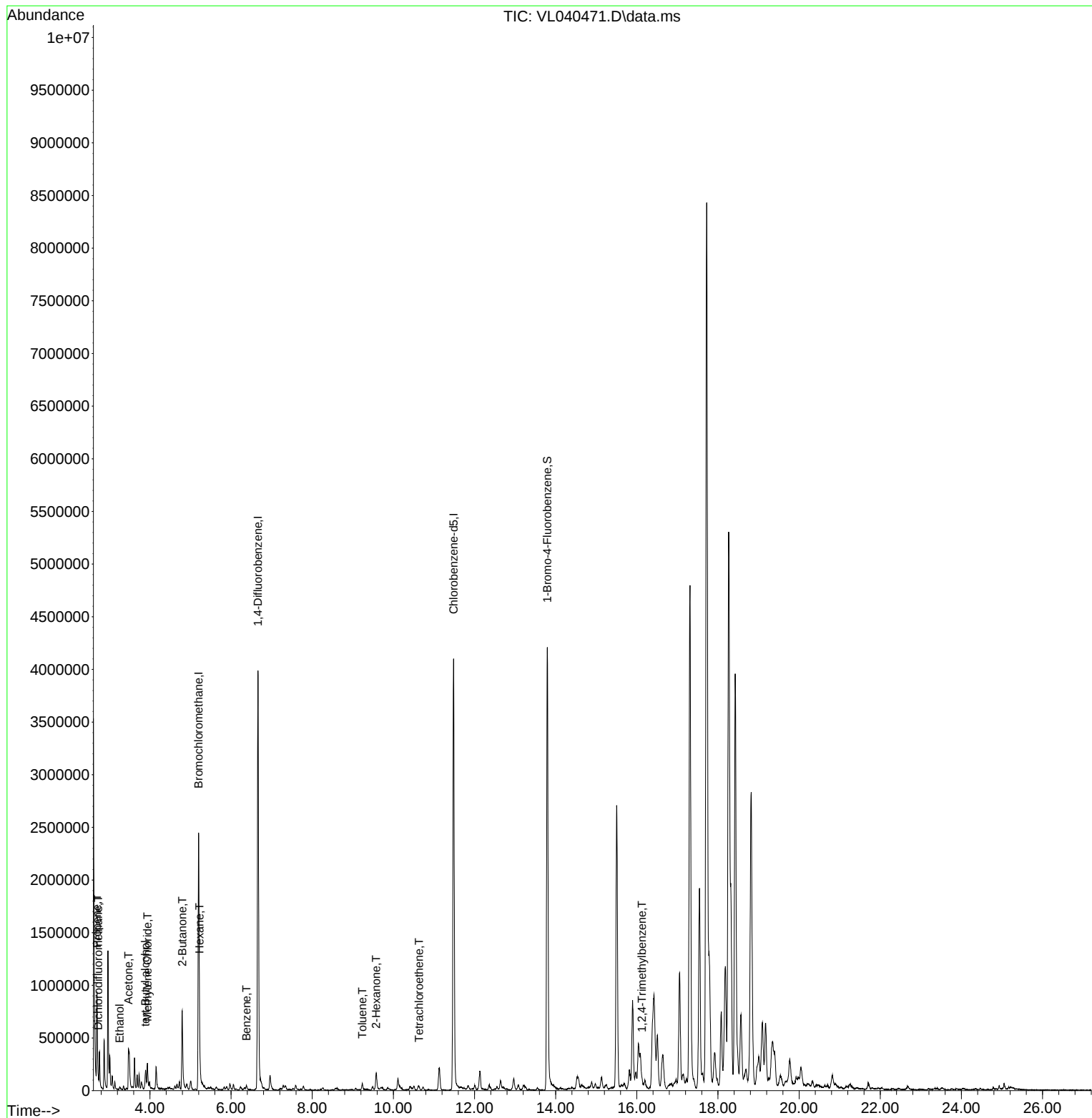
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
Data File : VL040471.D
Acq On : 15 Jun 2023 17:34
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Misc : 400mL/MSVOA_L
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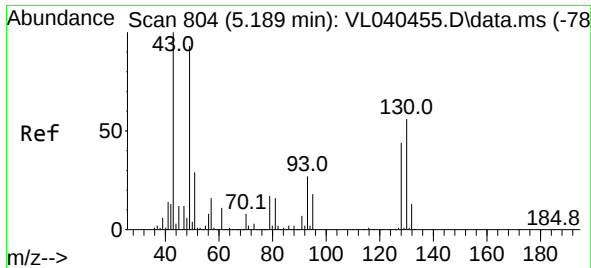
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DL

Quant Time: Jun 16 05:38:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jun 06 06:22:12 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

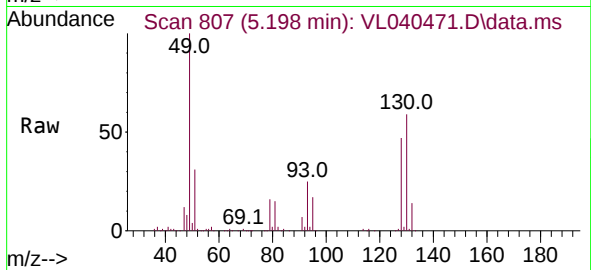
Reviewed By : Semsettin Yesilyurt 06/16/2023
Supervised By : Mahesh Dadoda 06/16/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL040471.D
Acq: 15 Jun 2023 17:34

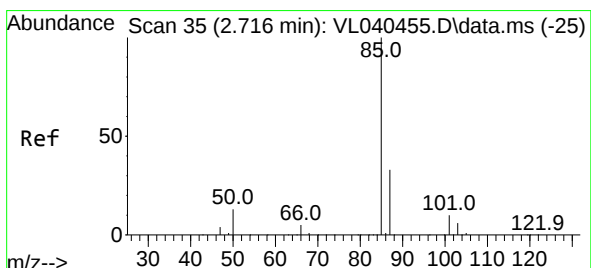
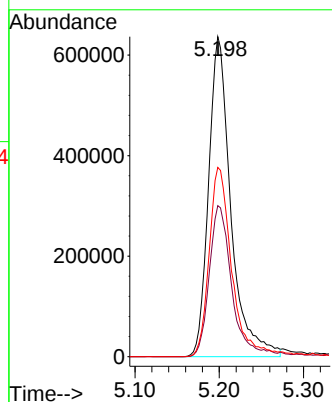
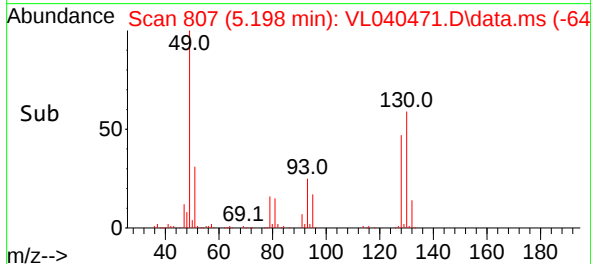
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DL



Tgt Ion: 49 Resp: 116956
Ion Ratio Lower Upper
49 100
128 49.2 24.7 74.1
130 61.4 31.4 94.2

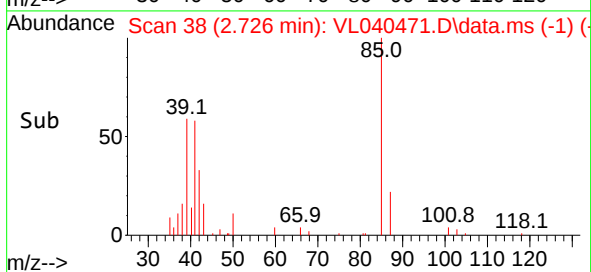
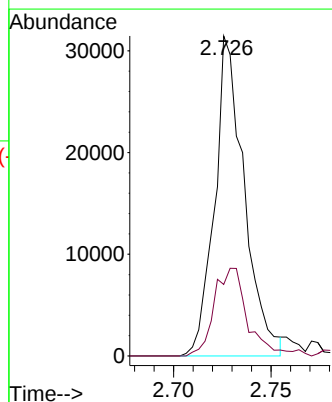
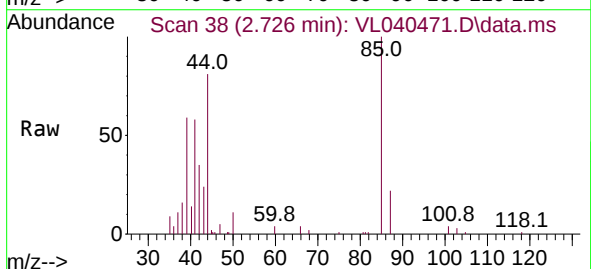
Manual Integrations
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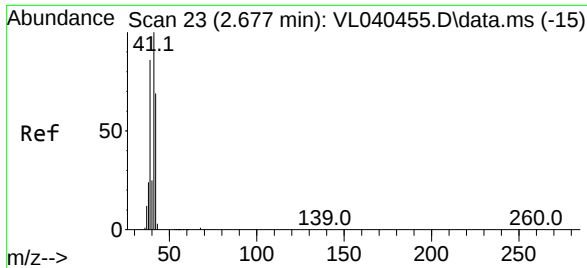
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#2
Dichlorodifluoromethane
Concen: 0.130 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.010 min
Lab File: VL040471.D
Acq: 15 Jun 2023 17:34

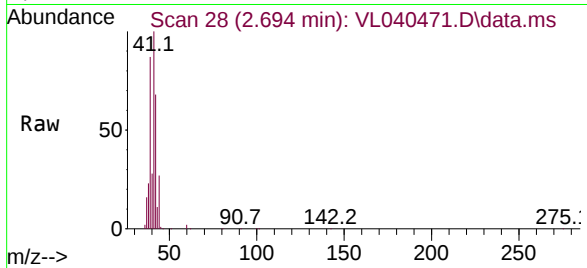
Tgt Ion: 85 Resp: 33153
Ion Ratio Lower Upper
85 100
87 22.4 26.6 39.8#





#9
 Propene
 Concen: 6.358 ppbv
 RT: 2.694 min Scan# 203
 Delta R.T. 0.016 min
 Lab File: VL040471.D
 Acq: 15 Jun 2023 17:34

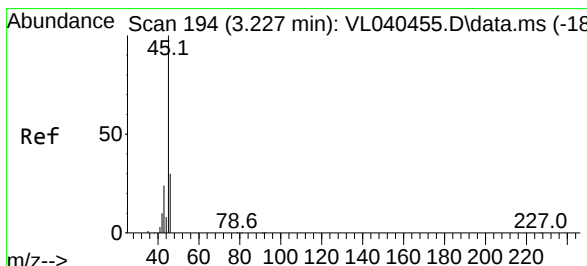
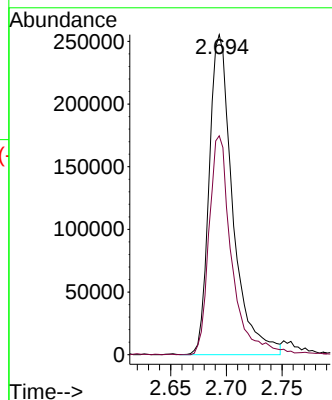
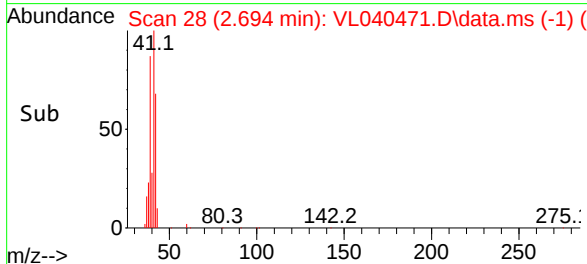
Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-02DL



Tgt Ion: 41 Resp: 375600
 Ion Ratio Lower Upper
 41 100
 42 66.4 56.2 84.2

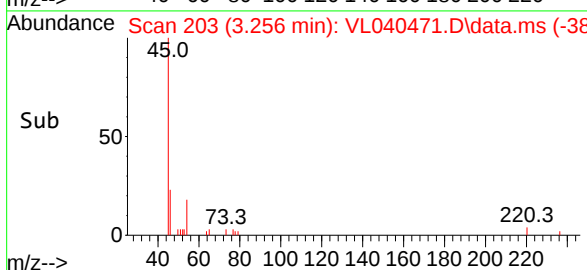
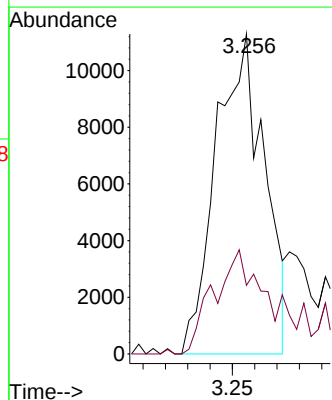
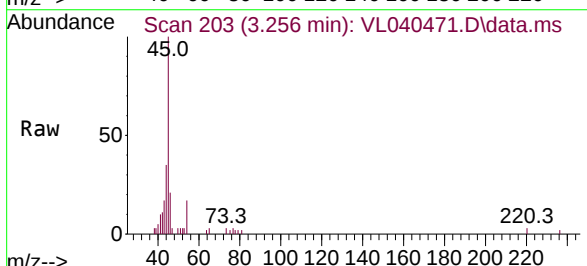
Manual Integrations
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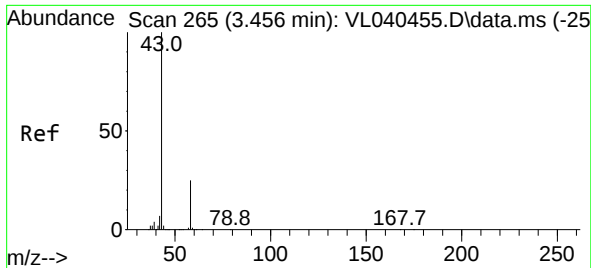
Reviewed By :Semsettin Yesilyurt 06/16/2023
 Supervised By :Mahesh Dadoda 06/16/2023



#13
 Ethanol
 Concen: 1.384 ppbv m
 RT: 3.256 min Scan# 203
 Delta R.T. 0.029 min
 Lab File: VL040471.D
 Acq: 15 Jun 2023 17:34

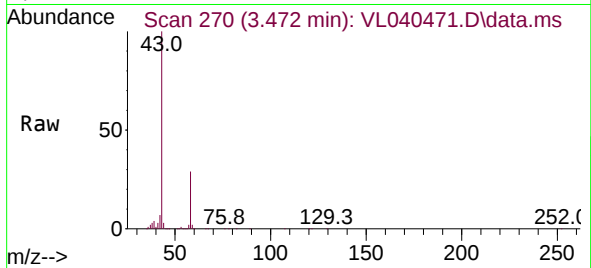
Tgt Ion: 45 Resp: 16936
 Ion Ratio Lower Upper
 45 100
 46 0.0 14.5 58.1#





#15
Acetone
Concen: 2.945 ppbv
RT: 3.472 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL040471.D
Acq: 15 Jun 2023 17:34

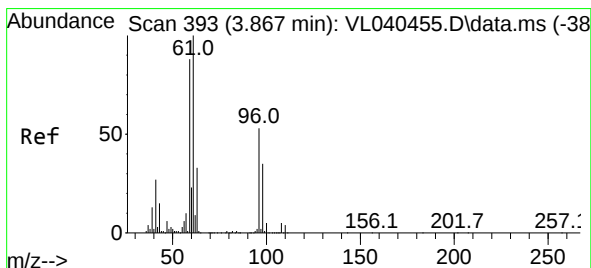
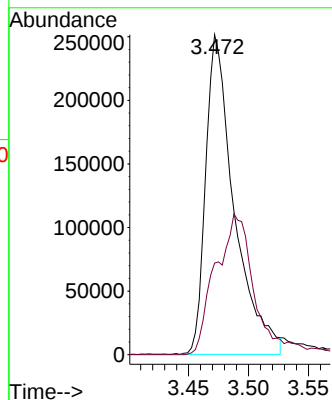
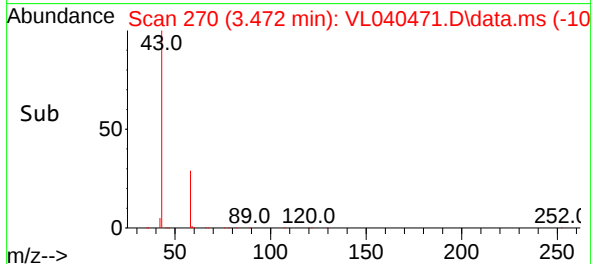
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DL



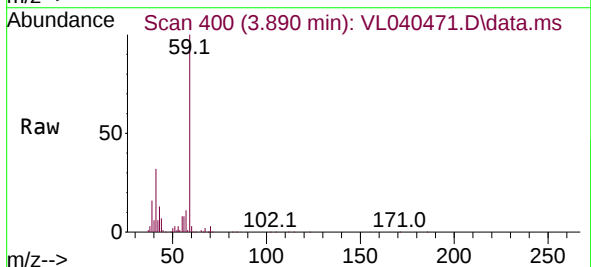
Tgt Ion: 43 Resp: 415458
Ion Ratio Lower Upper
43 100
58 63.1 21.6 32.4

Manual Integrations
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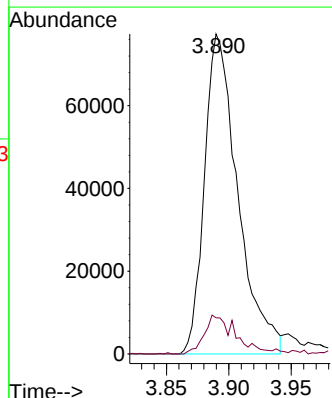
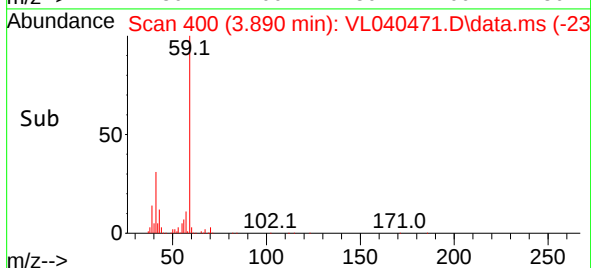
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023

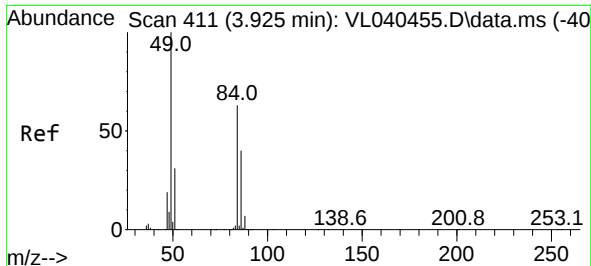


#17
tert-Butyl alcohol
Concen: 1.241 ppbv
RT: 3.890 min Scan# 400
Delta R.T. 0.023 min
Lab File: VL040471.D
Acq: 15 Jun 2023 17:34



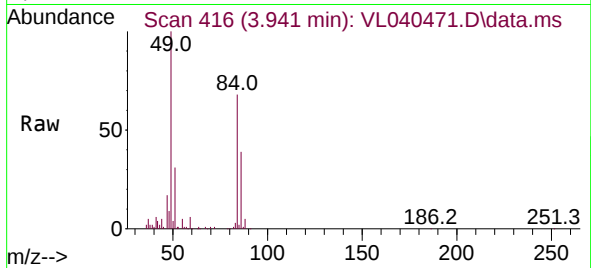
Tgt Ion: 59 Resp: 143917
Ion Ratio Lower Upper
59 100
57 12.6 8.8 13.2





#20
Methylene Chloride
Concen: 1.239 ppbv m
RT: 3.941 min Scan# 411
Delta R.T. 0.016 min
Lab File: VL040471.D
Acq: 15 Jun 2023 17:34

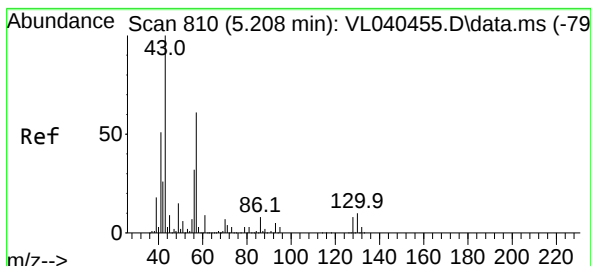
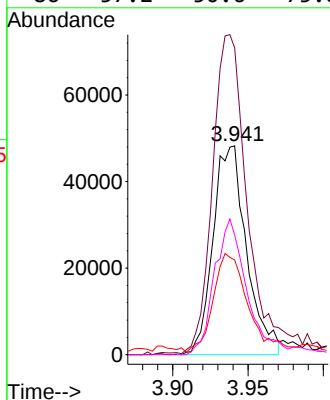
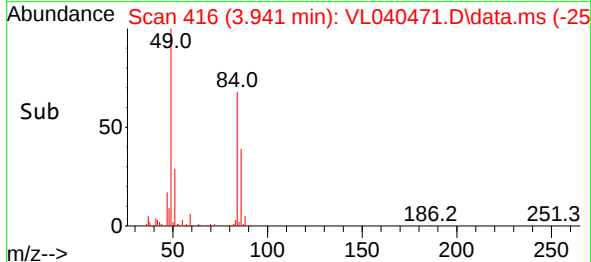
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DL



Tgt Ion: 84 Resp: 74612
Ion Ratio Lower Upper
84 100
49 147.0 126.2 189.2
51 45.4 38.7 58.1
86 57.2 50.6 75.8

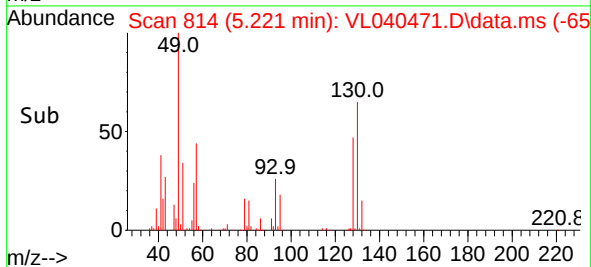
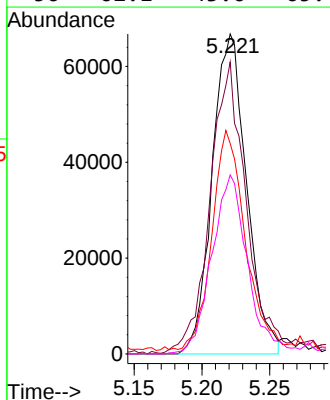
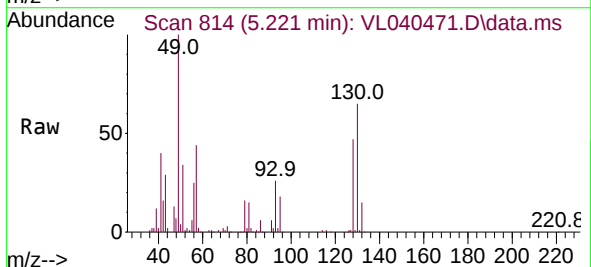
Manual Integrations
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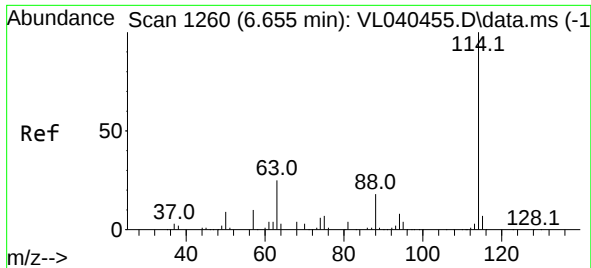
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#26
Hexane
Concen: 0.971 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.013 min
Lab File: VL040471.D
Acq: 15 Jun 2023 17:34

Tgt Ion: 57 Resp: 117557
Ion Ratio Lower Upper
57 100
41 98.9 73.0 109.6
43 72.1 177.5 266.3#
56 62.1 43.6 65.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 114

Delta R.T. 0.007 min

Lab File: VL040471.D

Acq: 15 Jun 2023 17:34

Instrument :

MSVOA_L

ClientSampleId :

SVP-02DL

Tgt Ion:114 Resp: 3107579

Ion Ratio Lower Upper

114 100

63 24.4 21.0 31.6

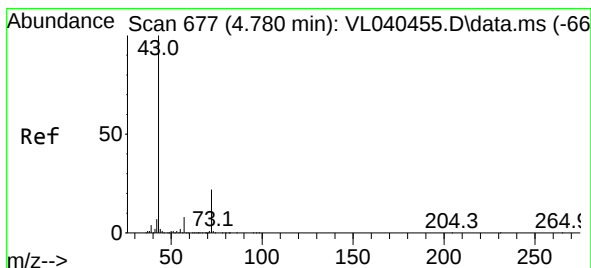
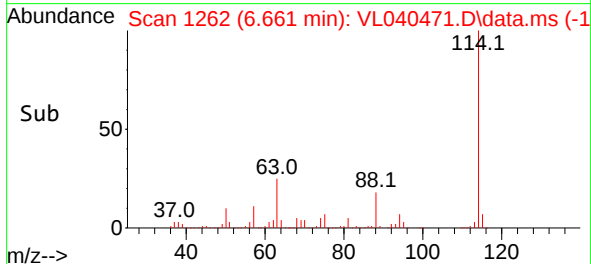
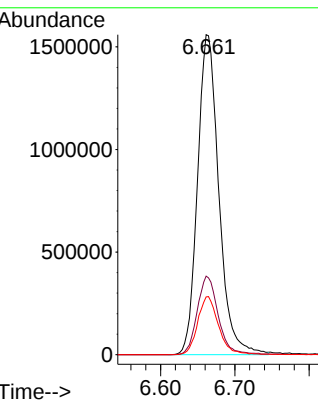
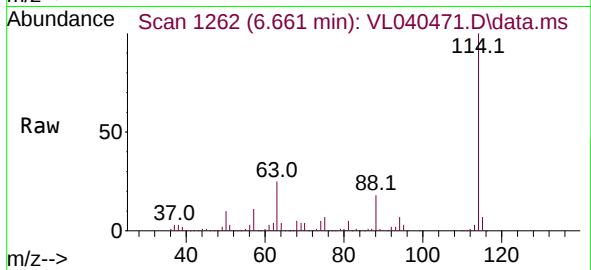
88 17.9 14.5 21.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/16/2023

Supervised By :Mahesh Dadoda 06/16/2023



#34

2-Butanone

Concen: 6.242 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.016 min

Lab File: VL040471.D

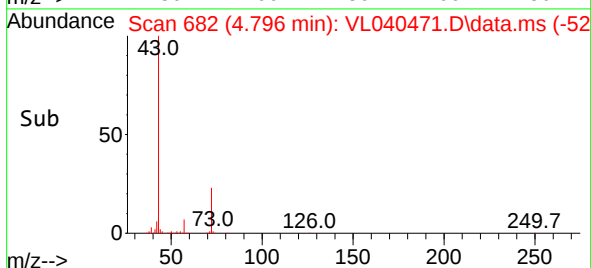
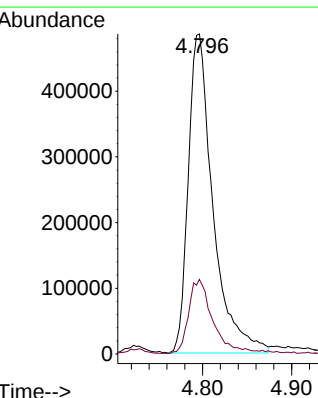
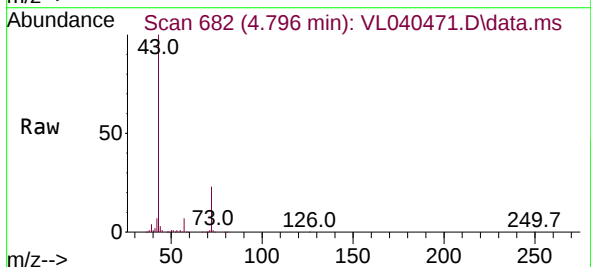
Acq: 15 Jun 2023 17:34

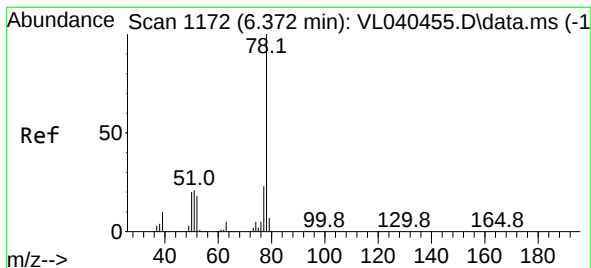
Tgt Ion: 43 Resp: 935369

Ion Ratio Lower Upper

43 100

72 23.8 18.1 27.1





#36

Benzene

Concen: 0.135 ppbv

RT: 6.382 min Scan# 1175

Delta R.T. 0.010 min

Lab File: VL040471.D

Acq: 15 Jun 2023 17:34

Instrument :

MSVOA_L

ClientSampleId :

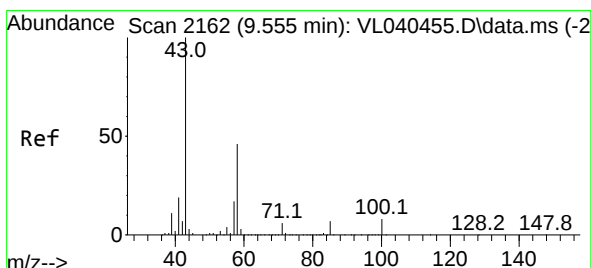
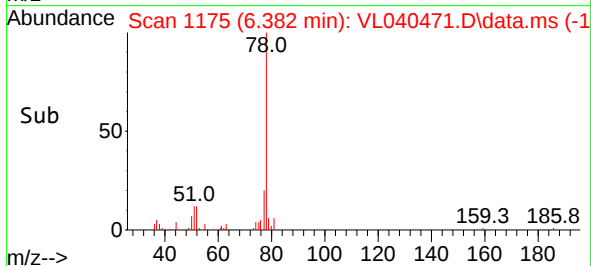
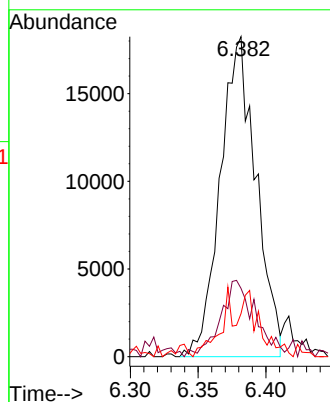
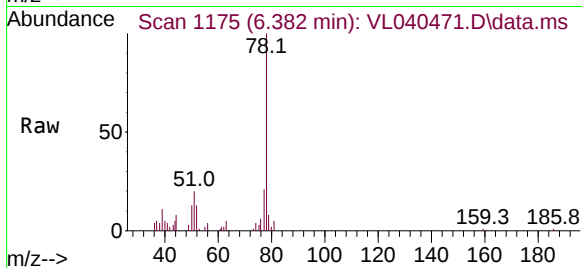
SVP-02DL

Tgt Ion: 78	Resp: 3338
Ion Ratio	Lower Upper
78 100	
77 19.7	18.5 27.7
50 9.9	16.1 24.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#51

2-Hexanone

Concen: 1.086 ppbv m

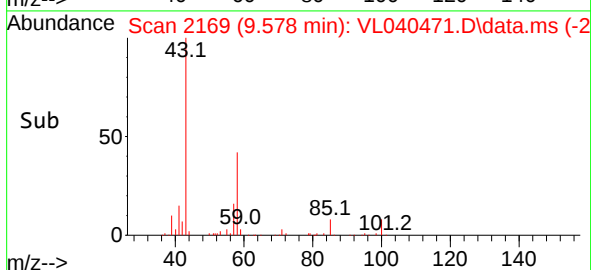
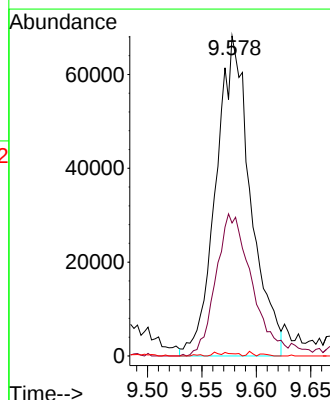
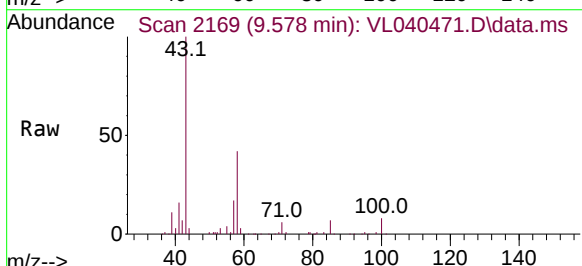
RT: 9.578 min Scan# 2169

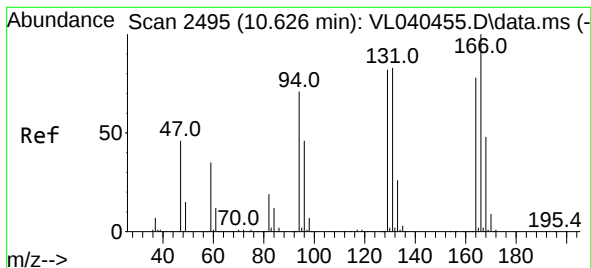
Delta R.T. 0.023 min

Lab File: VL040471.D

Acq: 15 Jun 2023 17:34

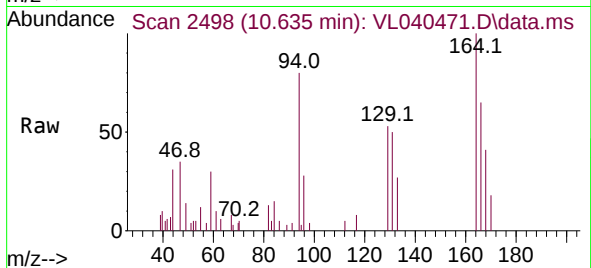
Tgt Ion: 43	Resp: 151253
Ion Ratio	Lower Upper
43 100	
58 0.0	37.1 55.7#
98 0.0	0.5 0.7#





#52
Tetrachloroethene
Concen: 0.119 ppbv m
RT: 10.635 min Scan# 2495
Delta R.T. 0.010 min
Lab File: VL040471.D
Acq: 15 Jun 2023 17:34

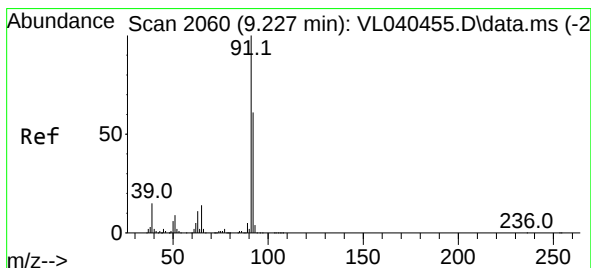
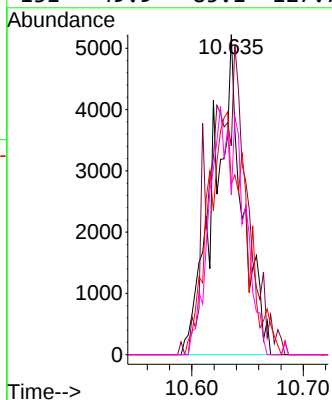
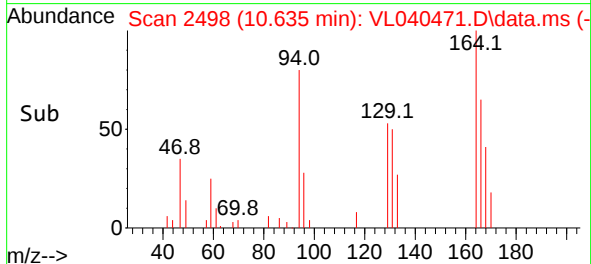
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DL



Tgt Ion:164 Resp: 926
Ion Ratio Lower Upper
164 100
166 65.2 102.7 154.1
129 53.3 84.6 126.8
131 49.9 85.1 127.7

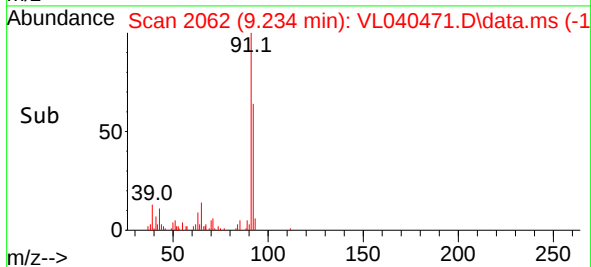
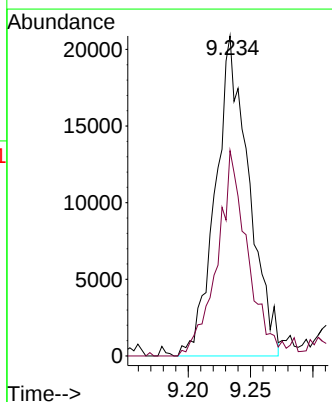
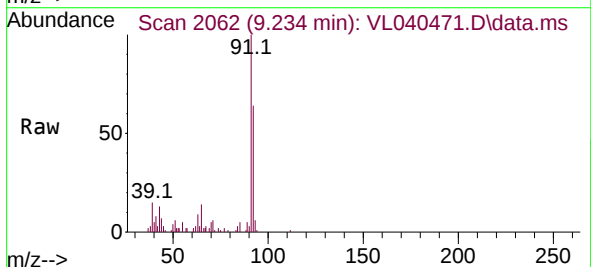
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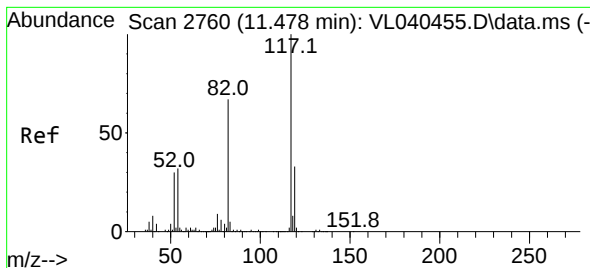
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#53
Toluene
Concen: 0.150 ppbv
RT: 9.234 min Scan# 2062
Delta R.T. 0.007 min
Lab File: VL040471.D
Acq: 15 Jun 2023 17:34

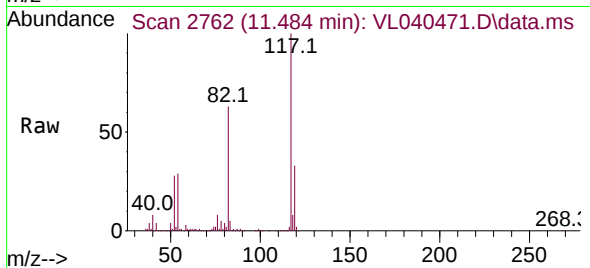
Tgt Ion: 91 Resp: 39001
Ion Ratio Lower Upper
91 100
92 59.8 49.1 73.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL040471.D
Acq: 15 Jun 2023 17:34

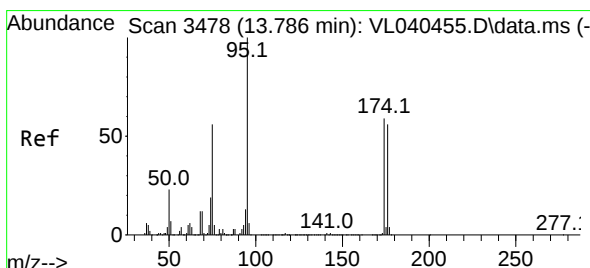
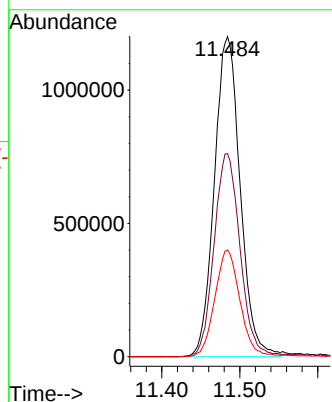
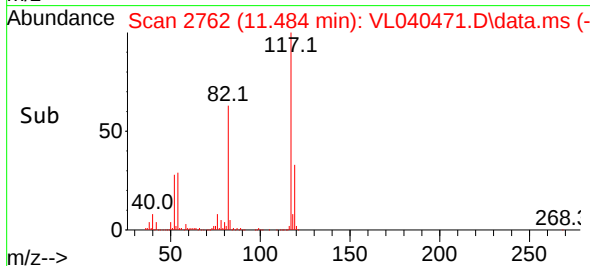
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DL



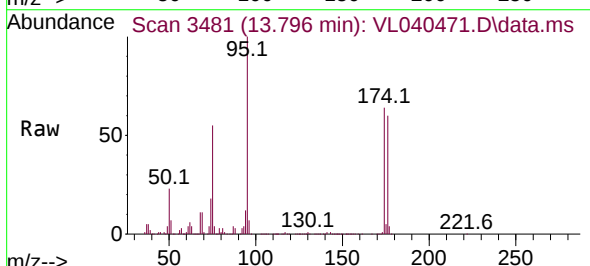
Tgt Ion:117 Resp: 2767000
Ion Ratio Lower Upper
117 100
82 64.8 53.0 79.4
119 32.9 24.4 36.6

Manual Integrations
APPROVED

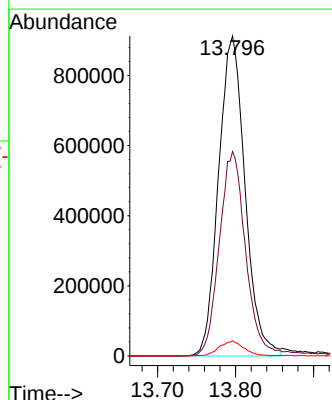
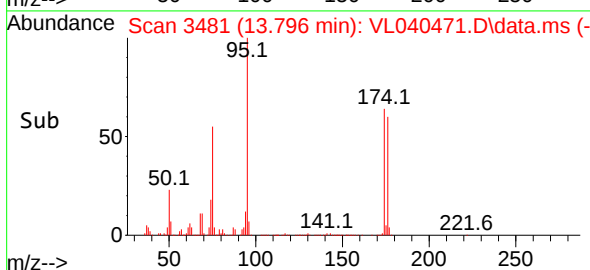
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023

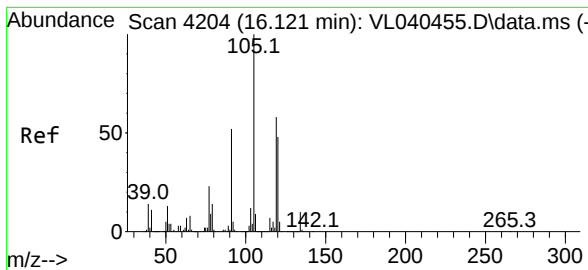


#68
1-Bromo-4-Fluorobenzene
Concen: 9.434 ppbv
RT: 13.796 min Scan# 3481
Delta R.T. 0.010 min
Lab File: VL040471.D
Acq: 15 Jun 2023 17:34



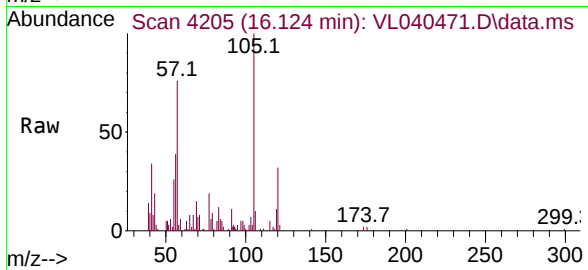
Tgt Ion: 95 Resp: 2154568
Ion Ratio Lower Upper
95 100
174 65.6 47.7 71.5
175 4.6 3.5 5.3





#74
 1,2,4-Trimethylbenzene
 Concen: 0.147 ppbv
 RT: 16.124 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040471.D
 Acq: 15 Jun 2023 17:34

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-02DL



Tgt Ion:	105	Resp:	5034
Ion Ratio	Lower	Upper	
105	100		
120	31.5	38.4	57.6
91	10.3	41.3	61.9
77	17.6	18.6	28.0

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2023
 Supervised By :Mahesh Dadoda 06/16/2023

